

Atty. Docket No.
1789-05303Serial No.
09/912,923**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**
(Use several sheets if necessary)Applicant
James L. TourFiling Date
July 25, 2001Group
1631**REFERENCE DESIGNATION UNDER 35 U.S.C. 102(b)(2)**

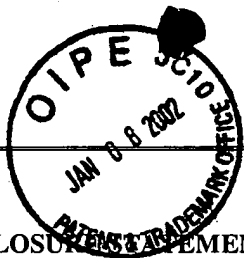
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AM	AA	4,728,672	03/01/88	Yoshinari et al.	518	717	
	AB	5,126,377	06/30/92	Bessell	518	714	
	AC	5,475,341	12/12/95	Reed	327	566	06/01/92
	AD	5,589,692	12/31/96	Reed	257	23	04/11/95
	AC	6,128,214	10/03/00	Kuckes et al.	365	151	03/29/99
	AD	6,198,655	03/06/01	Heath et al.	365	151	12/10/99
	AD	6,259,277	07/10/01	Tour et al.	326	136	07/26/99

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	AE	Online publication of Science 285, 391-394 (1999); Retrieved 06/01/01
	AF	Online publication of Scientific American 282, 86-93 (June 2000); Retrieved 05/21/01
	AG	Preprint of Proc. IEEE; 865, 541-557 (1997); <i>A Device Architecture for Computing with Quantum Dots</i>
	AH	Preprint of Lecture Notes in Computer Science 1663, pp. 217-218 (1999); "Go With the Winners" Algorithm
	AI	Preprint of Applied Physics Letters 77, 1224-1226 (Aug. 21, 2000); <i>Room-Temperature Negative Differential Resistance in Nanoscale Molecular Junctions</i>
	AJ	Smet, Jurgen H., et al; <i>Peak-to-Valley Current Ratios as High as 50:1 at Room Temperature in Pseudomorphic In_{0.53}Ga_{0.47}As/AlAs/InAs Resonant Tunneling Diodes</i> ; American Institute of Physics, March 1, 1992; (pp. 2475-2477)
	AK	Dunbar, T.D., et al; <i>Combined Scanning Tunneling Microscopy and Infrared Spectroscopic Characterization of Mixed Surface Assemblies of Linear Conjugated Guest Molecules in Host Alkanethiolate Monolayers on Gold</i> ; J. Phys. Chem. B 2000; (pp. 4880-4893)
	AL	Chopard, B. et al; <i>Cellular Automata Modeling of Physical Systems</i>; Cambridge University Press (undated); (p. 7)
AM	AM	Toffoli, T.; <i>Cellular Automata as an Alternative to (Rather Than An Approximation of) Differential Equations in Modeling Physics</i> ; North-Holland Physics Publishing Division; 1984; (pp. 1)
	AN	Gutowitz, H. A.; <i>Cellular Automata</i> ; MIT/North-Holland; 1990; (pp. 4)
	AO	Herman, G. T., et al; <i>Discrete Tomography</i> ; Birkhäuser 1999; (pp. 5)
	AP	Goldberg, D. E.; <i>Genetic Algorithms in Search, Optimization, and Machine Learning</i> ; Addison-Wesley; reprint March 1997; (pp. 2)
	AQ	Pham, D. T., et al; <i>Intelligent Optimization Techniques</i>; Springer Verlag Berlin Heidelberg New York; (undated); (pp. 8)
AM	AR	Nelder, J. A., et al; <i>A Simplex Method for Function Minimization</i> ; Computer Journal 7, 308-313; 1965;
AM	AS	Ackley, D. H.; <i>A Connectionist Machine for Genetic Hillclimbing</i> ; Kluwer Academic Publishers 1987; (pp. 110)



Form PTO-1449 (Modified)

Atty. Docket No.
1789-05303Serial No.
09/912,923**INFORMATION DISCLOSURE AGREEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant
James L. Tour, et alFiling Date
July 25, 2001Group
~~2828~~ 1631

AM	AT	Goldberg, D. E.; <i>A Gentle Introduction to Genetic Algorithms</i> ; from Genetic Algorithms in Search Optimization, and Machine Learning; Addison Wesley, Reading MA. 1989; (pp. 25)
	AU	Chen, J., et al.; <i>Large On-Off Ratios and Negative Differential Resistance in a Molecular Electronic Device</i> ; American Assoc. for the Advancement of Science 1999, Vol. 286, (pp. 1550-1552)
	AV	Ellenbogen, J. C., et al; <i>Architectures for Molecular Electronic Computers</i> ; Proc. Of IEEE; March 2000 (pp. 386-426)
	AW	Metzger, R. M., et al; <i>Unimolecular Electrical rectification in Hexadecylquinolinium Tricyanoquinodimethanide</i> ; J. Am. Chem. Soc. 1997, 119, (pp. 10455-10466)
	AX	Donhauser, Z. J., et al; <i>Conductance Switching in Single Molecules Through Conformational Changes</i> ; Science; Vol. 292 June 22, 2001; (pp. 2303-2307)
	AY	Dirk, Shawn M., et al; <i>Accoutrements of a Molecular Computer: Switches, Memory Components and Alligator Clips</i> ; Tetrahedron 57; 2001; (pp. 5109-5121)
	AZ	Chanteau, S. H., et al; <i>Synthesis of Potential Molecular Electronic Devices Containing Pyridine Units</i> ; Tetrahedron Letters 42; 2001; (pp. 3057-3060)
	BA	Dubrova, E., et al; <i>A Comment on "Graph-Based Algorithm for Boolean Function Manipulation"</i> ; IEEE Transactions on Computers, Vol. 49, No. 11; November 2000; (pp. 1290-1292)
V	BB	Tour, James M.; <i>Molecular Electronics, Synthesis and Testing of Components</i> ; Accounts of Chemical Research; Reprinted from Vol. 33, No. 11; (pp. 791-804) 2000
	BC	Nakashii, David P., et al; <i>Molelectronics: A Circuit Design Perspective</i>; Preprint of Proc. SPIE 4236; (pp. 80-88)
AM	BD	Online publication of Spice; (pp. 1-6); Retrieved 06/01/01;

EXAMINER

Ardin Masahel

DATE CONSIDERED

8-22-03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

61928.01\1789-05303\PTO 1449

RECEIVED
11 15 03
TC 2000 MAIL ROOM